



DONALD L. WOLFE, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

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ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: **W-0**

September 15, 2005

The Honorable Board of Supervisors  
County of Los Angeles  
383 Kenneth Hahn Hall of Administration  
500 West Temple Street  
Los Angeles, CA 90012

Dear Supervisors:

**AUTHORIZE SUPPLEMENTAL CONSULTANT SERVICES AGREEMENT  
TOPANGA BEACH BOOSTER PUMP STATION AND  
PRESSURE REGULATING STATION UPGRADE  
SUPERVISORIAL DISTRICT 3  
3 VOTES**

**IT IS RECOMMENDED THAT YOUR BOARD ACTING AS THE GOVERNING BODY  
OF THE LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 29, MALIBU:**

Authorize the Director of Public Works to enter into and execute a Supplemental Consultant Services Agreement (Agreement) to Contract No. 12050 with PSOMAS for the modifications of the plans and construction specifications for the Topanga Beach Booster Pump Station and Pressure Regulating Station Upgrade Project for a not-to-exceed fee of \$18,133.

**PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION**

The purpose of this recommendation is to authorize PSOMAS to modify the design plans and construction specifications for the Topanga Beach Booster Pump Station Upgrade Project (Project) to accommodate the relocation of the booster pump and regulating station from the original location to a nearby geologically stable site.

On November 8, 1999, your Board approved an Agreement with PSOMAS in the amount of \$125,000 to prepare plans and specifications for the Project including \$12,722 for design contingency. PSOMAS submitted the Project's final design plans and specifications in January 2003. However, due to other higher priority projects in the District, the construction of the Project was put on hold until now.

Following a recent landslide near the existing pump and regulating station, Geotechnical and Materials Engineering Division conducted a geological investigation on January 11, 2005, and concluded that the new pump station should not be located at the site of the existing pump station as originally planned, and instead be located at a nearby geologically stable site. This Agreement is to modify the original design plans to accommodate for the relocation of the pump station. This pump station is the only means of supplying water from Pacific Coast Highway to approximately 2,600 customers in Topanga Canyon.

#### **Implementation of Strategic Plan Goals**

This action meets the County Strategic Plan Goal of Organizational Effectiveness by providing efficient and effective use of the consultant for additional engineering services to modify and complete the Project plans in a timely manner.

#### **FISCAL IMPACT/FINANCING**

There will be no impact on the County's General Fund. Sufficient funds are available in the Fiscal Year 2005-06 Los Angeles County Waterworks District No. 29, Capital Outlay Fund, to finance the cost of the additional design work.

PSOMAS submitted a proposal for \$30,855 (see enclosed) to revise the pump station's plans and specifications. This amount exceeds the design contingency amount of \$12,722 for the Project by \$18,133, increasing the total contract from \$125,000 to \$143,133.

#### **FACTS AND PROVISIONS/LEGAL REQUIREMENTS**

A standard Agreement, previously adopted as to form by County Counsel, will be used. The standard Board-directed clauses that provide for termination of services, renegotiation, and hiring qualified displaced County employees will be included.

As required by your Board, language has been incorporated into the Agreement stating that the consultant shall notify its employees and shall require each subconsultant to notify its employees about Board Policy No. 5.135, the Safely Surrendered Baby Law, and that they may be eligible for the Federal Earned Income Credit under the Federal income tax laws.

As requested by your Board on August 12, 1997, and as a threshold requirement for consideration for contract award, PSOMAS is willing to consider Greater Avenues for Independence participants for future employment.

PSOMAS is in full compliance with Los Angeles County Code Chapter 2.200 (Child Support Compliance Program) and Chapter 2.203 (Contractor Employee Jury Services Program).

#### **ENVIRONMENTAL DOCUMENTATION**

A finding of environmental impact is not required for awarding an Agreement. Any project that may be proposed as a result of these design services will undergo the appropriate environmental review.

#### **CONTRACTING PROCESS**

On November 8, 1999, your Board awarded Contract No. 12050 to PSOMAS to provide engineering services for the Project for a not-to-exceed fee of \$125,000, including a contingency amount of \$12,722. PSOMAS has agreed to provide the additional services to modify the plans and specifications for a total not-to-exceed fee of \$30,855. The recommended Agreement will increase the contract amount from \$125,000 to \$143,133.

#### **IMPACT ON CURRENT SERVICES (OR PROJECTS)**

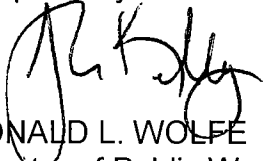
There will be no negative impact on current County services or projects during the performance of the recommended services.

The Honorable Board of Supervisors  
September 15, 2005  
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**CONCLUSION**

After adoption of this recommendation, please return one adopted copy of this letter to Public Works, Waterworks and Sewer Maintenance Division, and forward one adopted copy to the County Assessor.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. Wolfe', is written over the printed name.

DONALD L. WOLFE  
Director of Public Works

MI:lm  
BDL2194

Enc.

cc: Chief Administrative Office  
County Counsel  
Department of Public Social Services (GAIN)

June 21, 2005

Michael Ignatius, P.E.  
Contract Management  
Los Angeles County Department of Public Works  
Waterworks and Sewer Maintenance Division  
P.O. Box 1460  
Alhambra, CA 91802-1460

Re: Topanga Beach Booster Pump Station Upgrade Contract Amendment

Dear: Mr. Ignatius

Psomas is pleased to submit this proposal and scope of work for revisions plans and specifications for the Topanga Beach Pump Station in accordance with the County's request. This winter's storms caused a landslide on the site and County staff has compiled many comments on the original design. The main changes are related to project objectives and criteria and result in the need to relocate and reconfigure the pump station building on the site and to redesign the pumps, motors and cans to reflect vertical turbines as opposed to the currently designed submersibles. Additionally, many other comments and updated practices and policies will be reflected in the plan and specification package including addressing a page and a half of written comments provided by County staff.

Psomas proposes to accomplish the tasks detailed on the attached Scope of Work as an amendment to our original contract, which we understand is still in effect and still has some unfinished tasks with corresponding authorization. Based on our understanding of the work effort required for this redesign, we will complete this redesign scope of work for an additional fee of \$30,855, including fees estimated at \$13,000 for our two subconsultants, architectural/structural and electrical. A manpower allocation table is also attached showing the estimated hours and costs for each task along with the total estimated cost by task.

Psomas shall complete this effort in a timely manner and anticipates completion of the first submittal within six weeks following authorization to proceed. Thereafter, a 3-week turnaround to address County comments is expected. Based on the above, we will invoice 70% of the additional authorization plus any remaining design authorization on submittal and County acceptance of the 90% (next) PS&E submittal and 100% on the final submittal.

**P S O M A S**

Topanga Beach Booster Pump Station Upgrade Contract Amendment  
2LOS060200


Page 2 of 4  
June 21, 2005

It has been a pleasure working with the County on this unique and interesting project and we look forward to completing the revisions addressed herein to the satisfaction of the County and the residents of the community.

If you have any questions or we can provide additional information, please call.

Sincerely,

**P S O M A S**

A handwritten signature in black ink, appearing to read "Michael D. Swan", with a long horizontal flourish extending to the right.

Michael D. Swan, P.E.  
Team Leader - Water Resources

Enclosure: Fee Proposal

cc: John R. Thornton, P.E.  
Gregory W. Watanabe, P.E.  
File

**Scope of Services**  
**Topanga Beach Pump Station Redesign**

1. Attend kick-off meeting at County offices and site visit to determine/confirm location for building and pipeline realignment including points and methods of connection to existing pipelines. Attend meetings at 90% and 100% submittal to discuss/review County comments and implement as needed. Project Management and QA/QC for additional services.
2. Relocate and reconfigure pump station building including transformer and pad. Add detail to plans provided by County staff for a new 24-foot gate. Provide a join detail between existing and new asphalt paving in pump station yard.
3. Based on pump calculations provided by County, specify new vertical turbine pumps and electrical motors. Revise plan, profile and details for new pipeline connection points and alignments. Add new piping and valving for the future 700 Zone. Specify new ventilation fan and extra heavy louvers and change the riser assemblies in the plans to the County's standard hydrants. Design/detail new bathroom piping connection points and alignments and new drain piping and sump location. Specify new pump control valves, ball valves, pump cans, and add new auxiliary pump piping and hydrant for 960 Zone.
4. Revise traffic control plans and add required message boards.
5. Update specifications using new County standards and technical specifications. Update plans per new County standards and miscellaneous comments/redlines provided. Prepare updated bid list and opinion of probable construction cost.
6. Architectural/structural revisions including modification of roof framing, skylight detailing, and modification of two of the sides to reflect building reconfiguration. Addition of vents in walls and details to provide proper ventilation due to vertical turbine pumps.
7. Electrical/SCADA revisions including building and site modifications primarily related to conduit and wiring runs and transformer relocation, utility coordination with SCE, SCADA/control modifications (including SCADA antenna installation and building exterior lighting) and distribution modifications for pump sizing, Automatic Transfer Switch, Generator Plug, etc.

**Manpower Allocation Table and Cost by Task  
Topanga Beach Pump Station Redesign**

<b><u>Task 1 – Proj. Mgmt., QA/QC &amp; Meetings</u></b>	<b><u>Hours</u></b>	<b><u>Cost</u></b>
Principal	9	
Project Manager	22	
Project Engineer	<u>20</u>	
<b>Total Task 1</b>	<b>51</b>	<b>\$6,340</b>
<b><u>Task 2 – Building &amp; Site Work</u></b>		
Project Manager	1	
Project Engineer	5	
CADD Technician	<u>8</u>	
<b>Total Task 2</b>	<b>14</b>	<b>\$1,280</b>
<b><u>Task 3 – Piping &amp; Pump Design</u></b>		
Project Manager	3	
Project Engineer	23	
CADD Technician	<u>28</u>	
<b>Total Task 3</b>	<b>54</b>	<b>\$5,000</b>
<b><u>Task 4 – Traffic Control</u></b>		
Project Engineer	2	
CADD Technician	4	
Clerical	<u>2</u>	
<b>Total Task 4</b>	<b>8</b>	<b>\$650</b>
<b><u>Task 5 – Plans, Specs &amp; Cost Opinion</u></b>		
Project Manager	5	
Project Engineer	26	
CADD Technician	7	
Clerical	<u>12</u>	
<b>Total Task 5</b>	<b>50</b>	<b>\$4,585</b>
<b><u>Task 6 – Architectural &amp; Structural</u></b>		
Subconsultant		<b>\$5,500</b>
<b><u>Task 7 – Electrical/SCADA</u></b>		
Subconsultant		<b>\$7,500</b>
<b>Total Project</b>		<b>\$30,855</b>